

PHASE NOISE (1 Hz BW, typical)

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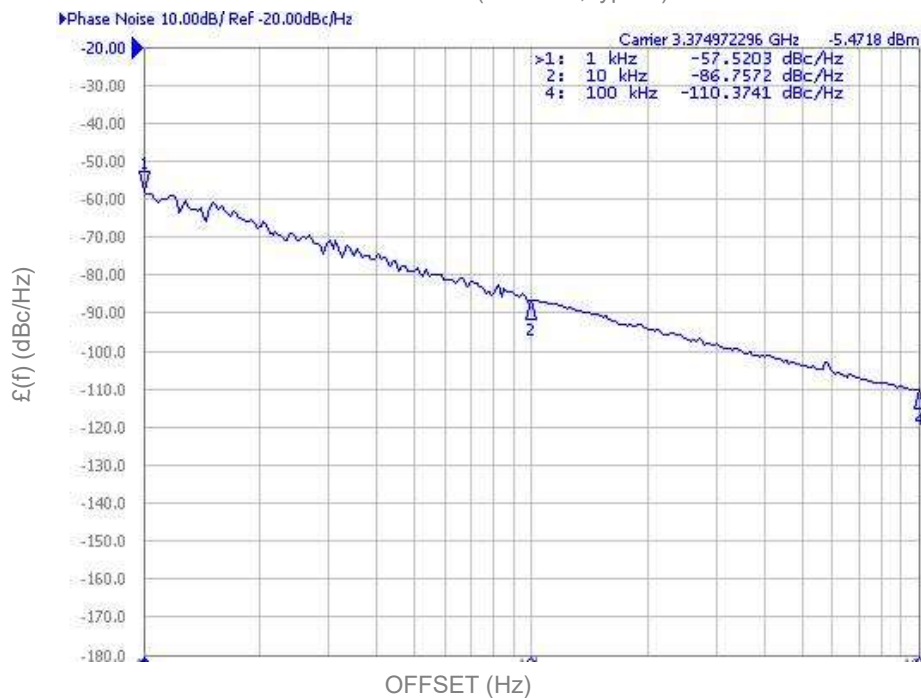
Voltage-Controlled Oscillator Surface Mount Module

Applications

Test and Measurement
 Satellite Up/Down Conversion

Application Notes

AN-101: Mounting and Grounding
 AN-102: Output Loading
 AN-107: Manual Soldering



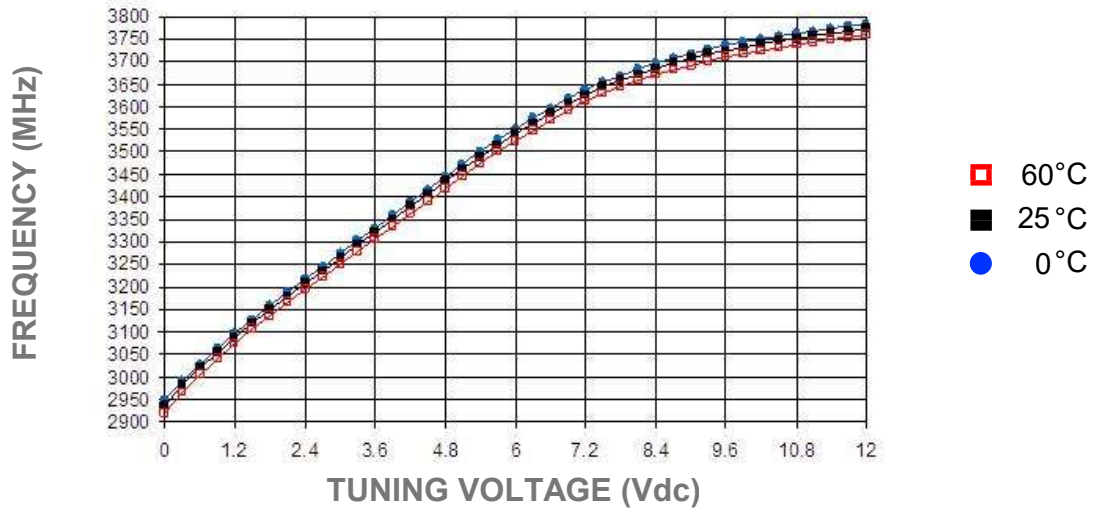
Performance Specifications	Min	Typ	Max	Units
Oscillation Frequency Range	3000		3750	MHz
Phase Noise @ 10 kHz offset (1 Hz BW)		-87		dBc/Hz
Harmonic Suppression (2nd)		-25	-15	dBc
Tuning Voltage	0.3		12	Vdc
Tuning Sensitivity (avg.)		85		MHz/V
Power Output	-1	1.5	4	dBm
Load Impedance		50		Ω
Input Capacitance			50	pF
Pushing			12	MHz/V
Pulling (12 dB Return Loss, Any Phase)			5	MHz
Operating Temperature Range	0		60	$^{\circ}\text{C}$
Package Style	MINI-14H-L			

Power Supply Requirements	Min	Typ	Max	Units
Supply Voltage (Vcc, nom.)		5		Vdc
Supply Current (Icc)		22	27	mA

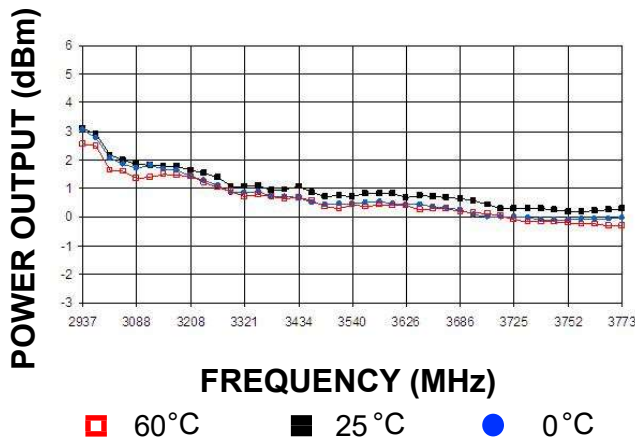
Additional Notes

LFSuffix = RoHS Compliant. All specifications are subject to change without notice.

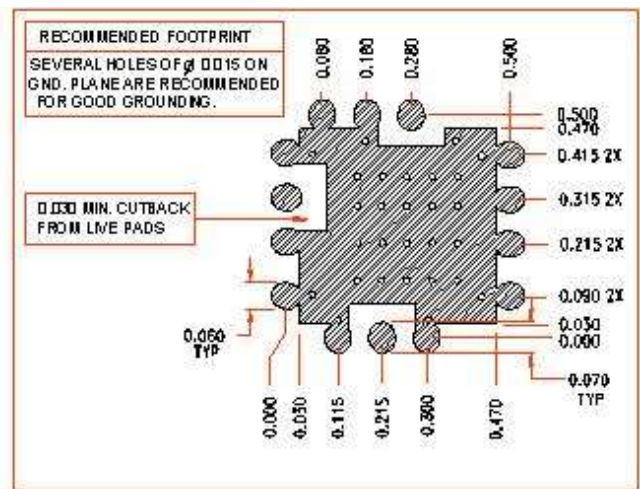
Tuning Curve, typ.



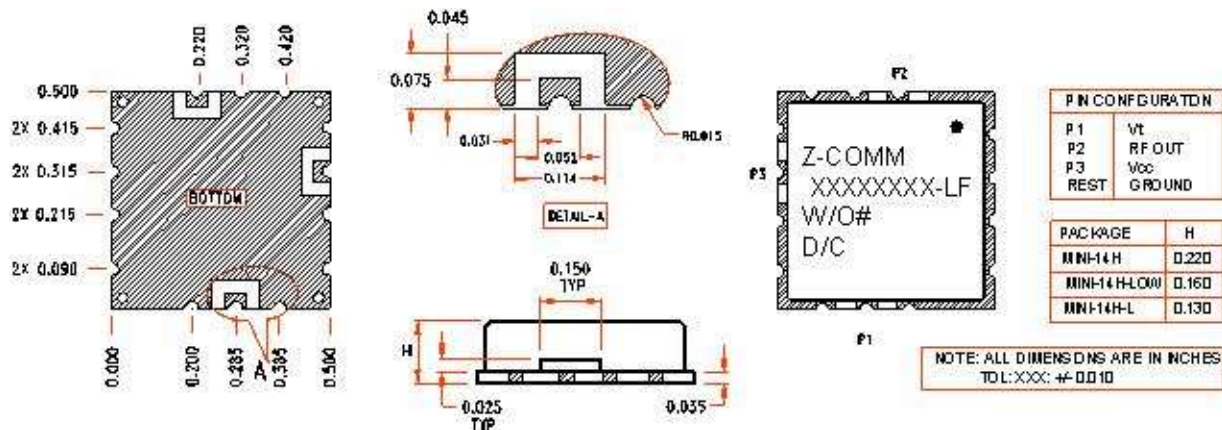
Power Curve, typ.



Footprint



Physical Dimensions



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